

## Claims

What is claimed is:

1. A spacer suitable for use in separating smooth surfaces of adjacent pieces of fragile material, comprising:

a first foam layer with a tendency to cling to smooth surfaces; and

bonded to the first foam layer to form a single structure without the use of adhesives, laminations, or other bonding agents, a second foam layer having a higher density and a lower tendency to cling to smooth surfaces than the first foam layer.

2. The spacer of claim 1, further comprising a release layer adjacent to the first foam layer, wherein the release layer is removed from the first foam layer prior to use.

3. The spacer of claim 2, wherein the release layer is a silicone-treated, gloss-surfaced carrier sheet.

4. The spacer of claim 1, wherein the first and second foam layers are formed from a flexible, polyvinylchloride foam plastisol.

5. The spacer of claim 1, wherein the first foam layer has a density of about 8-15 lb/ft<sup>3</sup>.

6. The spacer of claim 1, wherein the second foam layer has a density of about 25-35 lb/ft<sup>3</sup>.

7. The spacer of claim 1, wherein an exposed surface of the second foam layer is embossed to impart a rough texture.

8. The spacer of claim 1, wherein the first and second foam layers are different colors.

9. A method for forming a multi-density foam structure, comprising:  
applying a first liquid to a carrier sheet and allowing the first liquid to gel into a first layer;  
applying a second liquid onto the first layer and allowing the second liquid to gel into a second layer; and  
curing the first and second layers in the presence of heat to form a single structure with a first foam layer and a second foam layer having a higher density than the first foam layer.

10. The method of claim 9, further comprising applying heat to expedite gelling of the first and second liquids.

11. The method of claim 9, further comprising embossing an exposed surface of the second foam layer to impart a rough texture.

12. The method of claim 9, wherein the first and second foam layers are formed from a flexible, polyvinylchloride foam plastisol.

13. The method of claim 9, wherein the first foam layer has a density of about 8-15 lb/ft<sup>3</sup> and the second foam layer has a density of about 25-35 lb/ft<sup>3</sup>.

14. A method for forming a multi-density foam structure suitable for use in separating smooth surfaces of adjacent pieces of fragile material, comprising:

applying a first liquid to a carrier sheet;

heating the carrier sheet with the first liquid to a first temperature to cause the first liquid to gel to form a first layer;

applying a second liquid onto the first layer to form a second layer; and

heating the carrier sheet, the first layer, and the second layer to a second temperature to cause fusion of the first and second layers to form a single structure with a first foam layer and a second foam layer having a higher density than the first foam layer.

15. The method of claim 14, further comprising embossing an exposed surface of the second foam layer to impart a rough texture.

16. The method of claim 14, wherein the first temperature is at least about 280°F but less than about 350°F.

17. The method of claim 14, wherein the second temperature is approximately 460-510°F.

18. The method of claim 14, wherein the first and second foam layers are formed from a flexible, polyvinylchloride foam plastisol.

19. The method of claim 14, wherein the first foam layer has a density of about 8-15 lb/ft<sup>3</sup> and the second foam layer has a density of about 25-35 lb/ft<sup>3</sup>.

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